



CONSTRUCTION EQUIPMENT

PM2114 VOLVO A35G 342092 - BRAKE COOLING SYSTEM



Sample No: VCP325275
Oil Type: VOLVO WB 102
Job No: PM2114



SAMPLE INFORMATION

Sample Number	VCP325275	VCP281858	---	---
Sample Date	03 Mar 2022	17 Jan 2020	---	---
Machine Hours	6521	3750	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
 8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
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OIL CONDITION

Visc @ 40°C	cSt	39.4	39.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	17	22	---	---
Sodium	ppm	6	7	---	---
Potassium	ppm	2	1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	26	19	---	---
Copper	ppm	131	92	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	3	6	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3604	3710	---	---
Magnesium	ppm	7	6	---	---
Zinc	ppm	1605	1310	---	---
Phosphorus	ppm	1348	1245	---	---
Barium	ppm	0	0	---	---
Boron	ppm	101	111	---	---

Depot: VOLVO4485
Unique No: 9879862
Signed: Jonathan Hester
Report Date: 09 Mar 2022

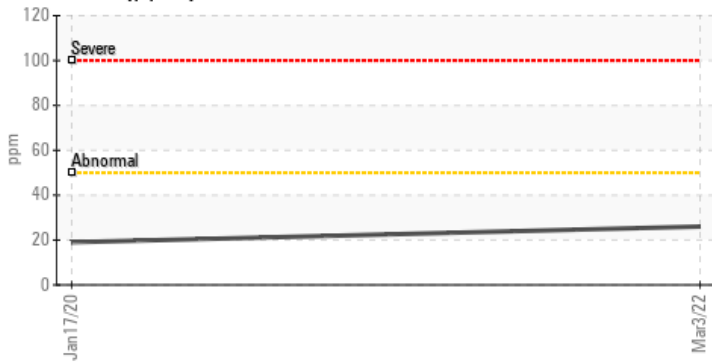


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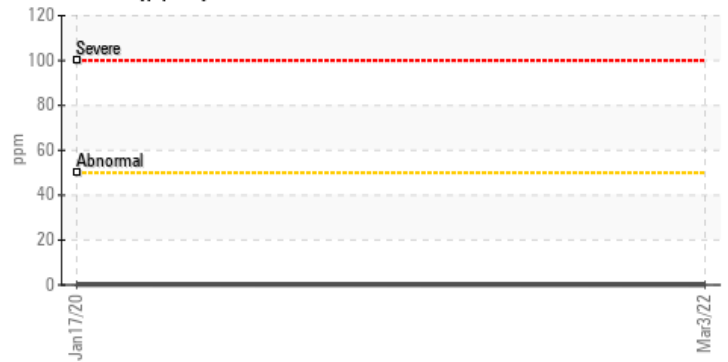


GRAPHS

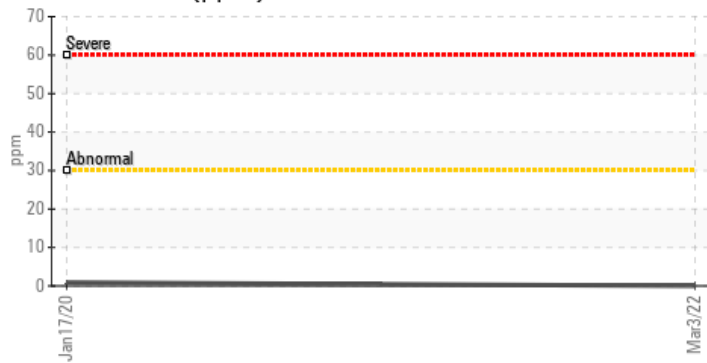
Iron (ppm)



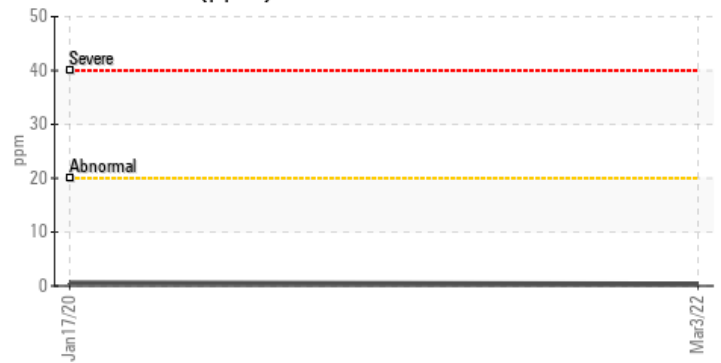
Lead (ppm)



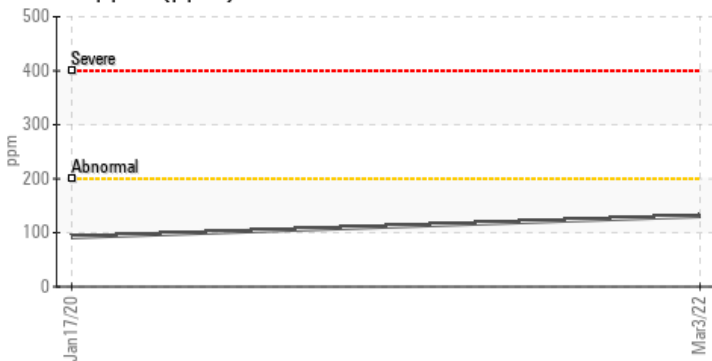
Aluminum (ppm)



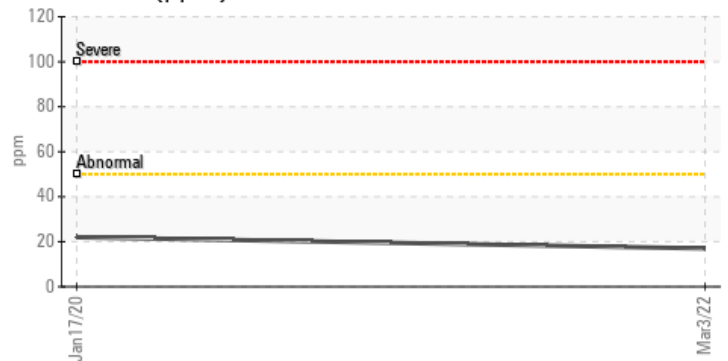
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

